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## DEPARTMENT OF RADIOLOGIC PATHOLOGY

Melissa L. Rosado de Christenson, Lt Col, USAF, MC  
Chairperson  
Date of Appointment - 1 May 1995

### MISSION

The Department of Radiologic Pathology explores the pathologic basis for abnormal radiologic images. This is accomplished through long and short educational courses, scientific and educational publications, and intramural consultations.

### ORGANIZATION

The department is organized into six sections and the Office of the Chairperson.

Gastrointestinal Radiology — Peter C. Buetow, MAJ, MC, USA

Genitourinary Radiology — Alan J. Davidson, M.D. and Brent J. Wagner, Maj, USAF, MC

Musculoskeletal Radiology — Mark D. Murphey, M.D.

Neuroradiology — James G. Smirniotopoulos, M.D.

Pulmonary and Mediastinal Radiology — Melissa L. Rosado de Christenson, Lt Col, USAF, MC

Pediatric Radiology — Geoffrey A. Agrons, LCDR, MC, USNR

### STAFF

#### *Medical*

James L. Buck, CDR, MC, USNR, Assistant Chairperson

Geoffrey A. Agrons, LCDR, MC, USNR, Chief, Pediatric Radiology

Peter C. Buetow, MAJ, MC, USA, Course Director and Chief, Gastrointestinal Radiology

Brent J. Wagner, Maj, USAF, MC, Chief, Genitourinary Radiology

Mark D. Murphey, M.D, Chief, Musculoskeletal Section (ARP Contract Employee)

James G. Smirniotopoulos, M.D, Chief, Neuroradiology

Alan Davidson, M.D, Senior Scientist (ARP Personal Service Contractor)

(A) Marc S. Levine, M.D, Distinguished Scientist, GI Radiology

(A) Jeffrey H. Newhouse, M.D, Distinguished Scientist

Linda Pantongrag-Brown, M.D, Junior Scientist, GI Radiology

(A) Carol Andrews, M.D, Junior Scientist, Musculoskeletal Radiology

(A) Wanda M. Kirejezyk, M.D, Junior Scientist, Pulmonary and Mediastinal Radiology

(A) John Rees, M.D, Junior Scientist, Neuroradiology

(D) M. B. Ozonoff, M.D, Distinguished Scientist, Pediatric Radiology

(D) Sean Smith, M.D, Junior Scientist, Musculoskeletal Radiology

(D) Maria Chiechi, M.D, Junior Scientist, Neuroradiology

#### *Administrative*

(A) Karen E. McGloughlin, MSgt, USAF, Superintendent

(A) Gina X. King, SSgt, USAF, NCOIC

Annie B. Fitzgerald, DAC, Receptionist

Patricia Garrett, Secretary (ARP Employee)

Phyllis Hickey, Secretary (ARP Employee)

- Kim McKneely, Case Manager (ARP Employee)  
 Kathy M. Rahimly, Medical Administrative Manager (ARP Part-time Employee)  
 Ronald Rowley, Computer Specialist (ARP Employee)  
 Earlene Turner, Short Course Coordinator (General ARP Employee)  
 Renee M. Weidman, Course Coordinator (ARP Employee)  
 Alethia B. West, Medical Administrative Assistant (ARP Employee)  
 Andre Williams, Photographer (ARP Employee)  
 Carl D. Williams, Case Manager (ARP Employee)
- (A) Danielle M. Carrera, Secretary (ARP Employee)
  - (D) Wendy Baker, Secretary (ARP Employee)
  - (D) Joseph Hinnant, Secretary (ARP Employee)
  - (D) Dana E. Kinsey, Secretary (ARP Employee)
  - (D) Ronda Logan, Secretary (ARP Employee)
  - (D) Angela Powell, Secretary (ARP Employee)

## CONSULTATION

The department conducts intramural radiologic consultation only. Consultation provided in 1995 included approximately 2,105 class cases (cases contributed by residents attending the six radiologic pathology courses) and 408 intramural consultation cases.

## RESEARCH

Research is based on the cases contained in our archives, which are mainly derived from cases contributed by residents attending the radiologic pathology courses.

## EDUCATION

Education constitutes the major mission of the Department of Radiologic Pathology. During 1995, we provided six 6-week courses in radiologic pathology, which were attended by a total of 1,006 radiology residents (42 federal, 1,048 nonfederal). Our department provided approximately 170 man-days of training during 1995 in these radiologic pathology courses alone. Approximately 95% of all radiology residents in U.S. programs and an increasing number of residents from training programs outside of the U.S. now attend this course sometime during their residency. The course remains subscribed 2 years in advance, and we are committed to making it available to all United States and foreign radiology residents who wish to attend. The additional seating space available in the new Elias G. Theros Auditorium now allows us to offer the radiologic pathology courses to radiologists who have completed their training. In addition, six 1-week categorical courses (held within the 6-week radiologic pathology courses) were offered in pulmonary and mediastinal radiology, neuroradiology, gastrointestinal radiology, genitourinary radiology, and pediatric radiology. These courses were attended by over 150 radiologists in 1995.

In addition, six short courses, each of 2 days' duration, and one week-long short course (\*) were offered by our department this year:

<i>Course</i>	<i>Enrollment</i>
Uroradiology .....	47
Neuroradiology Review .....	247
Abdominal & Gastrointestinal .....	62
Pulmonary and Mediastinal Radiology .....	123
Musculoskeletal Radiology .....	131
Radiologic Pathologic Correlation* .....	57
Total	667

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### *Journal Articles*

17. Fairbairn KJ, Mulligan ME, Murphey MD, Resnik CS. Gas bubbles in the hip joint on CT: an indication of recent dislocation. *Am J Radiol.* 1995;164:931-934.
18. Murphey MD. Invited commentary. *Radiographics* 1995;15:23-24.
19. Kransdorf MJ, Murphey MD. MR imaging of musculoskeletal tumors of the hand and wrist. *MRI Clinics of North America.* 1995;3:327-344.
20. Meltzer CC, Smirniotopoulos JG, Jones RV. The striated cerebellum: an MR imaging sign in Lhermitte-Duclos disease (dysplastic gangliocytoma). *Radiology.* 1995;194:699-703.
21. Chew FS, Smirniotopoulos JG. Teaching skeletal radiology to orthopedic surgery residents using computer-assisted instruction with interactive videodisc. *J Bone Joint Surg Am.* 1995;77-A:1080-1086.
22. LeBlang SD, Whiteman MLH, Post MJD, Uttamchandani RB, Bell MD, Smirniotopoulos JG. CNS nocardia in AIDS patients: CT and MRI with pathologic correlation. *J Comput Assist Tomogr.* 1995;19:15-22.
23. Chiechi MV, Smirniotopoulos JG, Mena H. Pineal parenchymal tumors: CT and MR features. *J Comput Assist Tomogr.* 1995;19:509-517.
24. Smirniotopoulos JG, Yue NC, Rushing EJ. Masas del ángulo pontocerebeloso: correlacion radiologica y patologica. *Revista Mexican de Radiologica.* 1995;49:87-98.
25. Smirniotopoulos JG, Murphy FM: The phakomatoses. *The Radiologist.* 1995;2:185-199.
26. Gao P-Y, Osborn AG, Smirniotopoulos JG, Palmer CA, Boyer RS. Neurenteric cysts: pathology, imaging spectrum and differential diagnosis. *International Journal of Neuroimaging.* 1995;1:17-27.
27. Chiechi MV, Smirniotopoulos JG, Jones RV: Intracranial subependymomas: CT and MR imaging features in 24 Cases. *Am J Radiol.* 1995;165:1245-1250.
28. Wippold FJ, Smirniotopoulos JG, Moran CJ, Suojanen JN, Vollmer DG. MR imaging of myxopapillary ependymoma: findings and value to determine extent of tumor and its relation to intraspinal structures. *Am J Radiol.* 1995;165:1263-1267.
29. Dagher AP, Smirniotopoulos JG. Intracranial dermoid cysts with and without rupture. *International Journal of Neuroradiology.* 1995;1:134-144.

#### **Books and Chapters**

1. Buck JL, Pantongrag-Brown L, Harned RK. Polyposis syndromes. In: Taveras, Ferrucci, eds. *Radiology Diagnosis-Imaging-Intervention.* Philadelphia, Pa: JB Lippincott Co; 1995:1-11.

In addition, one chapter is in press.